

FORM PTO-1449		Atty. Docket No. SHA-001		Serial No. 10/687,788	
LIST OF PRIOR ART CITED BY APPLICANT		Applicant: Shamci Monajembashi			
		Filing Date: Oct. 17, 2003		Group: 2828 1631	
U.S. PATENT DOCUMENTS					
Examiner Initial*	Document Number	Grant Date	Name	Class	Sub Class
AA					
AB					
FOREIGN PATENT DOCUMENTS					
Examiner Initial*	Document Number	Grant Date	Country	Class	Sub Class
AC					
AD					
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
PW	AE	S. Monajembashi et al., "Microdissection of Human Chromosomes by a Laser Microbeam", Exp. Cell Research 167, 1986, pp. 262-265 (1 pg).			
PW	AF	R. Wiegand et al., "Laser-Induced Fusion of Mammalian Cells and Plant Protoplasts", Journal of Cell Science 88, 1987, pp. 145-149.			
PW	AG	G. Weber et al., "Uptake of DNA in Chloroplasts of Brassica Napus (L.) By Means of a Microfocussed Laser Beam", Eur. Journal of Cell Biology, Mar. 1987, Supplement 17, Vol. 43, abs. page.			
PW	AH	G. Weber et al., "Microperforation of Plant Tissue with a UV Laser Microbeam and Injection of DNA into Cells", Naturwissenschaften 75, 1988, pp. 35-36 (1 pg.)			
PW	AI	G. Weber et al., "Genetic Manipulation of Plant Cells and Organelles with a Laser Microbeam", Plant Cell, Tissue and Organ Culture, 1988, 12, pp. 219-222 (1 pg.).			
PW	AJ	W. Bautsch et al., "The Nasal Polyps as a Tool for Basic Research in Cystic Fibrosis", Scand. J. Gastroenterol Suppl., 1988, 23, pp. 5-8.			
PW	AK	G. Weber et al., "Uptake of DNA in Chloroplasts of Brassica Napus (L.) Facilitated by a UV-Laser Microbeam", European Journal of Cell Biology, 1989, 49, pp. 73-79.			
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BA						
BB						
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BC						
BD						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
PW	BE	K. Schutze et al., "Laser Microsurgery on Pollen Tubes", Ber. Bunsenges. Phys. Chem., 1989, 93, pp. 249-252.				
PW	BF	G. Weber et al., "A Laser Microbeam as a Tool to Introduce Genes into Cells and Organelles of High Plants", Ber. Bunsenges. Phys. Chem., 1989, 93, pp. 252-254.				
PW	BG	N. Ponelies et al., "Telomeric Sequences Derived from Laser-Microdissected Polytene Chromosomes", Chromosoma, 1989, 98, pp. 351-357.				
PW	BH	K.O. Greulich et al., "Laser-Mikrostrahl und Optische Pinzette", Labor 2000, pp. 37-45.				
PW	BI	G. Weber et al., "Genetic Changes Induced in Higher Plant Cells by a Laser Microbeam", Physiologia Plantarum, 1990, 79, pp. 190-193.				
PW	BJ	K.O. Greulich et al., "Application of Optical Trapping in Molecular Genetics Immunology and Cell Fusion", Cytometry, Supplement 4, 1990, pp. 18 (1 pg.)				
PW	BK	G. Weber et al., "Genetic Changes Induced in Higher Plants by a UV Laser Microbeam", Israel Journal of Botany, 1991, Vol. 40, No. 2, pp. 115-122.				
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CA						
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CC						
CD						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
PW	CE	S. Seeger et al., "Application of Laser Optical Tweezers in Immunology and Molecular Genetics", Cytometry, 1991, 12, pp. 497-504.				
PW	CF	K.O. Greulich et al., "Laser Microtreatment for Genetic Manipulations and DNA Diagnostics by a Combination of Microbeam and Photonic Tweezers (Laser Microbeam Trap)", SPIE, 1994, Vol. 2328, pp. 1-9.				
PW	CG	N. Endlich et al., "Micromanipulation of Single DNA Molecules by Laser Microbeam and Optical Tweezers", Experimental Technique of Physics, 1995, Vol. 41, No. 2, pp. 303-311.				
PW	CH	K.O. Greulich et al., "Laser Microbeams and Optical Tweezers: How They Work and Why They Work", SPIE, 1995, Vol. 2628, pp. 1-12.				
PW	CI	K.O. Greulich et al., "Single-Cell and Single-Molecular Laser Biotechnology", SPIE, 1996, pp. 1-8.				
PW	CJ	C. Hoyer et al., "Light as a Microtool: Laser Microbeams and Optical Tweezers in Molecular and Cellular Biotechnology", Science Progress, 1996, 79, 3, pp. 233-254.				
PW	CK	C. Hoyer et al., "A Combined Optical, Electrostatic and Enzymatic Handling of Single DNA Molecules", Progress in Biomedical Optics paper, 1966, pp. 188-199.				
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DA						
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FOREIGN PATENT DOCUMENTS						
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DC						
DD						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
PW	DE	S. Monajembashi et al., "Trapping of Dielectric Particles and Cells by a Fiber Coupled Laser Trap", Program in Biomedical Optics paper, 1996, pp. 240-250.				
PW	DF	S. Monajembashi et al., "Microbeams and Optical Tweezers Convert the Microscope into a Versatile Microtool", Microscopy and Analysis, Jan. 1997, pp. 7-9.				
PW	DG	C. Hoyer et al., "Laser Manipulation and UV Induced Single Molecule Reactions of Individual DNA Molecules", Journal of Biotechnology, 1996, 52, pp. 65-73.				
PW	DH	G. Fuhr et al., "Force Measurement of Optical Tweezers in Electro-Optical Cages", Applied Physics A, 1998, 4, pp. 385-390.				
PW	DI	G. Pilarczyk et al., "Fluorescence Microscopy and the Reactions of Single Molecules", Applied Fluorescence in Chemistry, Biology and Medicine, chapter 17, pp. 417-438.				
PW	DJ	B. Schafer et al., "Study of Single-Molecule Dynamics and Reactions with Classic Light Microscopy", Cytometry, 1999, 36, pp. 209-216.				
PW	DK	S. Monajembashi et al., "Membrane Modifications of Photoreceptor Cell During Micromanipulation by Optical Tweezer" abstract, Journal of Biosciences, 1999, Vol. 24, Supplement 1, one page.				
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EA						
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EB						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
PW	EC	K.O. Greulich et al., "Micromanipulation by Laser Microbeam and Optical Tweezers: From Plant Cells to Single Molecules", Journal of Microscopy, 2000, Vol. 198, pt. 3, pp. 182-187.				
PW	ED	A. Hoffman et al., "Optical Tweezers for Confocal Microscopy", Applied Physics B, 2000, 71, pp. 747-753.				
PW	EE	K.O. Greulich et al., "Laser Applications at the Borderline Between Biology", Biomedicine and Therapy Control, book from European Medical Laser Assoc., Prima Books Schweden, p. 153-168.				
PW	EF	K.O. Greulich et al., "Taking Light Pressure Serious: Light as a Quasimechanical Microtool", Proceedings of SPIE, 2001, Vol. 4430, pp. 579-586.				
PW	EG	S.K. Mohanty et al., "Comet Assay Measurements of DNA Damage in Cells by Laser Microbeams and Trapping Beams with Wavelengths Spanning a Range of 308nm to 1064nm", Radiation Research, 2002, 157, pp. 378-385.				
PW	EH	E. Kovacs et al., "Cell Viability of Retinal Photoreceptor Evaluated by Polar Distribution of Ca ²⁺ and Electrical Charge", Journal of Cellular and Molecular Medicine, 2001, Vol. 5, No. 3, pp. 295-302.				
PW	EI	A. Holzinger et al., "Impairment of Cytoskeleton-Dependent Vesicle and Organelle Translocation in Green Algae: Combined Use of a Microfocused Infrared Laser as Microbeam and Optical Tweezers", J. of Microscopy, 2002, Vol. 208, Pt. 2, pp. 77-83.				
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FB						
FC						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
PW	FD	N. Endlich et al., "Podocytes' Respond to Mechanical Stress in Vitro", Journal of American Society Nephrol, 2001, Vol. 12, pp. 413-422.				
PW	FE	J. Guck et al., "The Optical Stretcher: A Novel Laser Tool to Micromanipulate Cells", Biophysical Journal, 2001, Vol. 81, pp. 767-784.				
PW	FF	S. Henon et al., "A New Determination of the Shear Modulus of the Human Erythrocyte Membrane Using Optical Tweezers", Biophysical Journal, 1999, Vol. 76, pp. 1145-1151.				
PW	FG	C. Rotsch et al., "Drug-Induced Changes of Cytoskeletal Structure and Mechanics in Fibroblasts: An Atomic Force Microscopy Study", Biophysical Journal, 2000, Vol. 78, pp. 520-535.				
PW	FH	G.T. Charras et al., "Single Cell Mechanotransduction and its Modulation Analyzed by Atomic Force Microscope Indentation", Biophysical Journal, 2002, Vol. 82, pp. 2970-2981.				
PW	FI	A.R. Bausch et al., "Local Measurements of Viscoelastic Parameters of Adherent Cell Surfaces by Magnetic Bead Microrheometry", Biophysical Journal, 1998, Vol. 75, pp. 2038-2049.				
PW	FJ	L.M. Walker et al., "Mechanical Manipulation of Bone and Cartilage Cells with Optical Tweezers", FEBS Letters, 1999, 459, pp. 36-42.				
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GA						
GB						
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GC						
GD						
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
PW	GE	N. Endlich et al., "Analysis of Differential Gene Expression in Stretched Podocytes: Osteopontin Enhances Adaptation of Podocytes to Mechanical Stress", The FASEB Journal, 2002, Vol. 16, pp. 1850-1852.				
PW	GF	K.A. Ward et al., "Viscoelastic Properties of Transformed Cells: Role in Tumor Cell Progression and Metastasis Formation", Biorheology, 1991, 28, pp. 301-313.				
PW	GG	R.M. Hochmuth, "Micropipette Aspiration of Living Cells", Journal of Biomechanics, 2000, 33, pp. 15-22.				
PW	GH	M. Glogauer et al., "A New Method for Application of Force to Cells Via Ferric Oxide Beads", European Journal of Physiology, 1998, 435, pp. 320-327.				
PW	GI	H. Huang et al., "Three-Dimensional Cellular Deformation Analysis with a Two-Photon Magnetic Manipulator Workstation", 2002, Vol. 82, pp. 2211-2223.				
	GJ					
	GK					
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